.:.7-19-05

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## TRANSMITTAL **FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/801,933	
Filing Date	March 16, 2004	
First Named Inventor	Akiyoshi AOYAGI	
Art Unit	2826	
Examiner Name	Ben P. Sandvik	
Attorney Docket Number	9319S-000670	

	ENCLOSURES (check all that apply)				
Fee Transmittal F	-orm	Drawing(s)			er Allowance Communication to chnology Center (TC)
Fee Attached	I	Licensing-r	elated Papers		peal Communication to Board of peals and Interferences
Amendment / Re	ply	Petition			peal Communication to TC peal Notice, Brief, Reply Brief)
After Final			Convert to a Application	Pro	oprietary Information
Affidavits/dec	claration(s)		ttorney, Revocation Correspondence Address	☐ Sta	utus Letter
Extension of Time	e Request	Terminal D	isclaimer		her Enclosure(s) ease identify below):
Express Abandonment Request		Request for Refund  CD, Number of CD(s)			Form 1449; Acknowledgement Postcard
Information Disclosure Statement					
Certified Copy of Priority Document(s)		Remarks  The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 50-3213 (Epson R & D). A duplicate copy of this sheet is enclosed.			
Response to Miss Incomplete Applie					
Response to Missing Parts under 37 CFR 1.52 or 1.53					
	SIGNA	TURE OF APP	LICANT, ATTORNEY, OF	R AGEN	IT
Firm or Individual name	Harness, Dickey & Pierce, P.L.C		Attorney Name G. Gregory Schivley Bryant E. Wade		Reg. No. 27,382 40,344
Signature	Mart I. n		le .		
Date	July 28, 2005				
CERTIFICATE OF TRANSMISSION/MAILING					

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	G. Gregory Schivley Bryant E Wade	Express Mail Label No.	EV 570 164 659 US	
Signature	Salat belle	Date	July 28, 2005	_

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (12-04)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Effective 10/01/2004. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT 180

Complete if Known					
Application Number	10/801,933				
Filing Date	March 16, 2004				
First Named Inventor	Akiyoshi AOYAGI				
Examiner Name	Ben P. Sandvik				
Art Unit	2826				
Attorney Docket No.	9319S-000670				

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Deposit			1051	130	2051	65	Surcharge - late filing fee or oath	
Account Number	50-3213		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
			1053	130	1053	130	Non-English specification	
Deposit Account	Epson R & D		1812	2,520	1812	2,520	For filing a request for reexamination	
Name			1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
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Charge any add	ditional fee(s) during the pende	ency of this application	1251	120	2251	60	Extension for reply within first month	
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	FEE CALCULATION		1253	1020	2253	510	Extension for reply within third month	
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	ode (\$)	Fee Paid	1401	500	2401	250	Notice of Appeal	
1011 300 2	011 150 Utility filing fee		1402	500	2402	250	Filing a brief in support of an appeal	
1012 200 2	012 100 Design filing fee		1403	1000	2403	500	Request for oral hearing	
1013 200 2	013 100 Plant filing fee		1452	500	2452	250	Petition to revive – unavoidable	
1014 300 2	014 150 Reissue filing fe	e	1453	1500	2453	750	Petition to revive - unintentional	
1005 200 2	005 100 Provisional filling	g fee	1501	1400	2501	700	Utility issue fee (or reissue)	<u> </u>
			1502	800	2502	400	Design issue fee	
	SUBTOTAL (1)	(\$) 0	1460	130	1460	130	Petitions to the Commissioner	
2 EXTRACIA	M FEES FOR UTILITY A	ID DEICCHE	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
Z. EXTRA CLA	Extra F	ee from Fee	1806	180	1806	180	Submission of Information Disclosure Stmt	180
Total Claims	-20 ** = 0 X	= 0	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
Claims Multiple	-3 ** = 0 X	= 0	1809	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	,
Dependent  Large Entity	Small Entity	= 0	1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
Fee Fee	Fee Fee Fee Descri	<u>ption</u>	1801	790	2801	395	Request for Continued Examination (RCE)	
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1205 50		claims in excess of 20 and		100	2112	50	Design Search Fee	
'	over origina	l patent	1113	300	2113	150	Plant Search Fee	
	SUBTOTAL (2)	(\$) 0	1114	500	2114	250	Reissue Search Fee	
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**Or number previo	usly paid, if greater; For Reissues,	see ahove	1314	600	2314	300	Reissue Examination Fee	┸———
2	, -una, g. valor, 1 or 110/03003,						SUBTOTAL (4) (\$)0	
SUBMITTED BY							Complete (if applicable)	
	G. Gregory Schivley	Registration No.		273	382			

Name (Print/Type) 40344 Telephone (248) 641-1600 Signature July 28, 2005

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#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

oplication No.: -

10/801,933

Filing Date:

March 16, 2004

Applicant:

Akiyoshi AOYAGI

Group Art Unit:

2826

Examiner:

Ben P. Sandvik

Title:

SEMICONDUCTOR DEVICE, ELECTRONIC DEVICE,

ELECTRONIC APPARATUS, METHOD OF

MANUFACTURING SEMICONDUCTOR DEVICE, AND METHOD OF MANUFACTURING ELECTRONIC DEVICE

Attorney Docket:

9319S-000670

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

## I. <u>LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION</u>

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

#### II. COPIES

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

	1449 or on the copies of previously cited by or	f PTO-892, but which r submitted to the	mation which are listed on Form are not enclosed herewith, were PTO in one of the following an earlier filing date under 35
	<u>U.S. Serial Nur</u>	<u>mber</u>	U.S. Filing Date
	United States. A copy Examiner's information. report are listed on the a and for listing on any pa Search report was from these references should	of the International Second The documents list attached Form 1449 for attent resulting from this in the US, EPO, or JF I have been supplied t	ry of the National Phase in the earch Report is attached for the ted on the International Search or consideration by the Examiners application. If the International PO search authorities, copies of the USPTO under the trilateral of the above-identified application
III.	CONCISE EXPLANATION	ON OF THE RELEVAL	NCE (check at least one box)
	A.  Except as may be or other information ar required).	e indicated below in (E e in the English lanç	3), all of the patents, publications guage (concise explanation not
			ee of each patent, publication or lish language is as follows (see
	1. See the att	_ ,	t office communication from a
	2. ☐ English tra Form HDP-1499.		d: as indicated on the attached
	3. Cother:		
	C. The following acconsideration.	dditional information	is provided for the Examiner's
IV.	CROSS REFERENCE 1	TO RELATED APPLIC	CATION(S)
	contain(s) subject matte	er that may be related plication(s) to the Ex	owing co-pending application(s) d to the present application. By caminer's attention, Applicant(s) ons of 35 U.S.C. § 122.
	Serial No.	Filing Date	Art Unit

<b>/</b> .	THIS IDS IS BEING-FILED UNDER
	A.
	1.  within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
	2. within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
	3.  before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
	4. Defore the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.
	B. X 37 C.F.R. § 1.97(c): (check only one box)
	before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.
	1. $\boxtimes$ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
	2.  See the certification below. No fee is required.
	C. 37 C.F.R. § 1.97(d):
	after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.
	1. See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
<b>/</b> I.	CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)
	The undersigned hereby certifies that:
	A. $\square$ each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application

not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or B. no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)). C. some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS. STATEMENT UNDER 37 C.F.R. 1.704(d) The undersigned hereby states that: each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS. PAYMENT OF FEES (check only one box) A. A check in the amount of \$180.00 is enclosed for the above identified fee. B. Please charge Deposit Account No. 50-3213 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached. The above references are being cited only in the interest of candor and

without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 50-3213.

VII.

VIII.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 50-3213.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 50-3213.

Respectfully submitted,

Dated: July 28, 2005

G. Gregory Schivley Reg. No. 27,382 Bryant E. Wade Reg. No. 40,344

Harness, Dickey & Pierce, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

GGS/BEW/jmz



RM HDP-1449 (Based on Form PTO-1449)

# PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

SERIAL NO.	
10/801,933	
GROUP	
2826	
	10/801,933 GROUP

U.S. F	PATENT DO	CUMENTS	т		· · · · · · · · · · · · · · · · · · ·	
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate Filing Date
1.		6,882,232	4/2005	Harima, Hidenori		
2.		6,781,241	8/2004	Nishimura, et al.		
3.		6,774,467	8/2004	Horiuchi, et al.		
4.		2004/0135243	7/2004	Aoyagi, Akiyoshi		
5.		6,586,832	7/2003	Shibata, et al.		
6.	į.	6,507,098	1/2003	Lo, et al.		
7.		2003/0022465	1/2003	Wachtler, Kurt P.		
8.		6,461,881	10/2002	Farnworth, et al.		
9.		6,442,026	8/2002	Yamaoka, Yoji		
10.		6,404,049	6/2002	Shibamoto, et al.		
11.		6,369,444	4/2002	Degani, et al.		
12.		6,239,383	5/2001	Lin, Patrick		
13.		6,122,171	9/2000	Akram, et al.		
14.		5,973,392	10/1999	Senba, et al.		
15.		5,834,848	11/1998	Iwasaki, Ken		
16.		5,120,678	6/1992	Moore, et al.		
17.						
18.						

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	* No
1.							

Examiner:	Date Considered: